

Challenges in Maintaining and Checking Verticality of Piles

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Abstract: *Pile driving and maintaining the alignment of piles during its life span can be most erroneous jobs in construction industry. Slight deflection in piles alignment causes a major damage to the whole structure as it affect the group efficiency. Pile foundation is widely used in marine structures due to its stability and long-term durability. However, in pile structures many factors causes the misalignment of the pile which leads to major haphazard and accidents due to loss of strength. Thus, a research should be conducted to identify issues in maintaining alignment of piles at waterfront development. This paper covers a wide range of problems associated, in brief associated with pile verticality and problems in measuring the eccentricity which will lead to find exact solutions needed.*

Keywords: Challenges in pile operations, verticality of piles, maintenance of piles

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